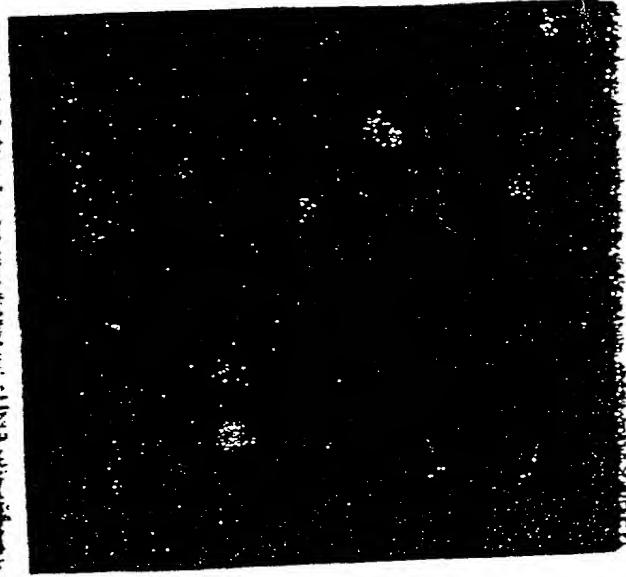
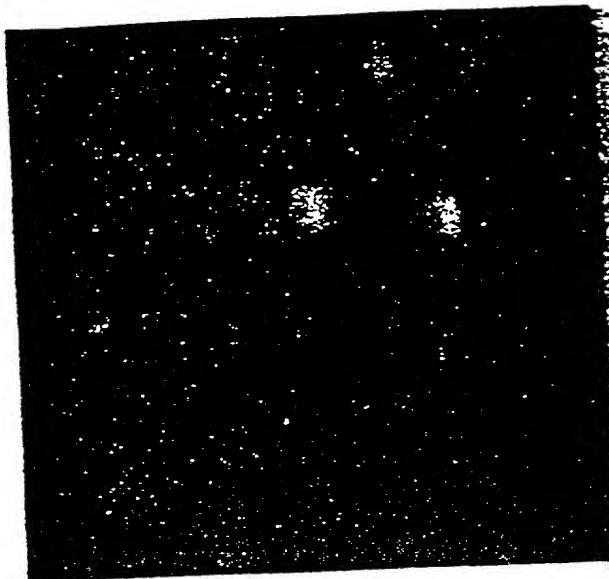
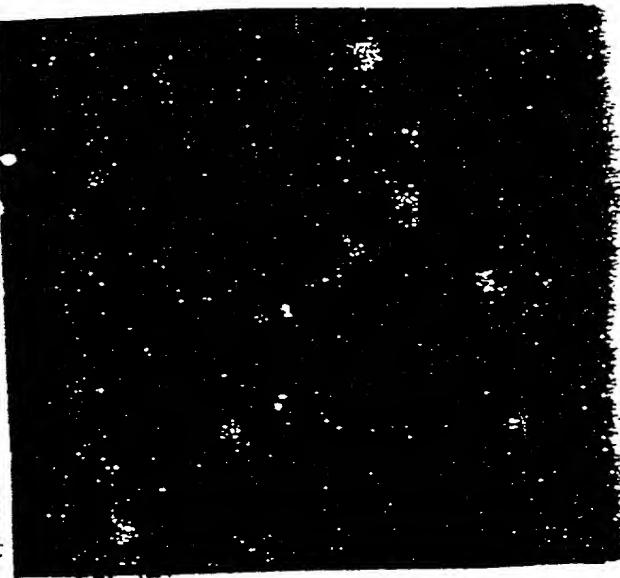
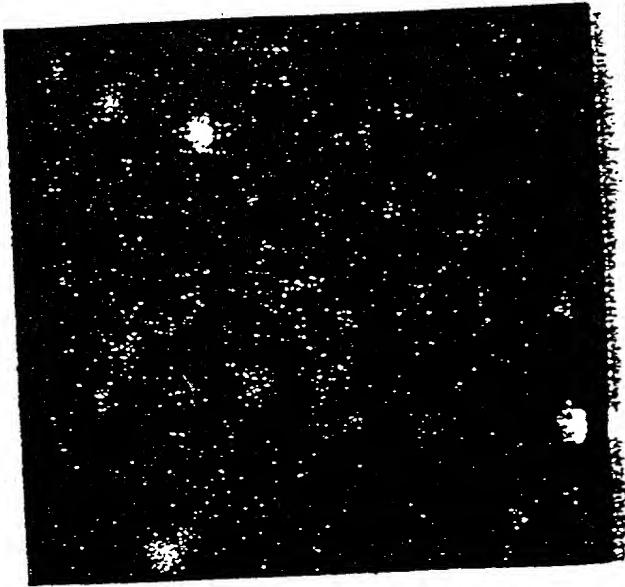


FIGURE 10 - FIGURE 10

Figure 1



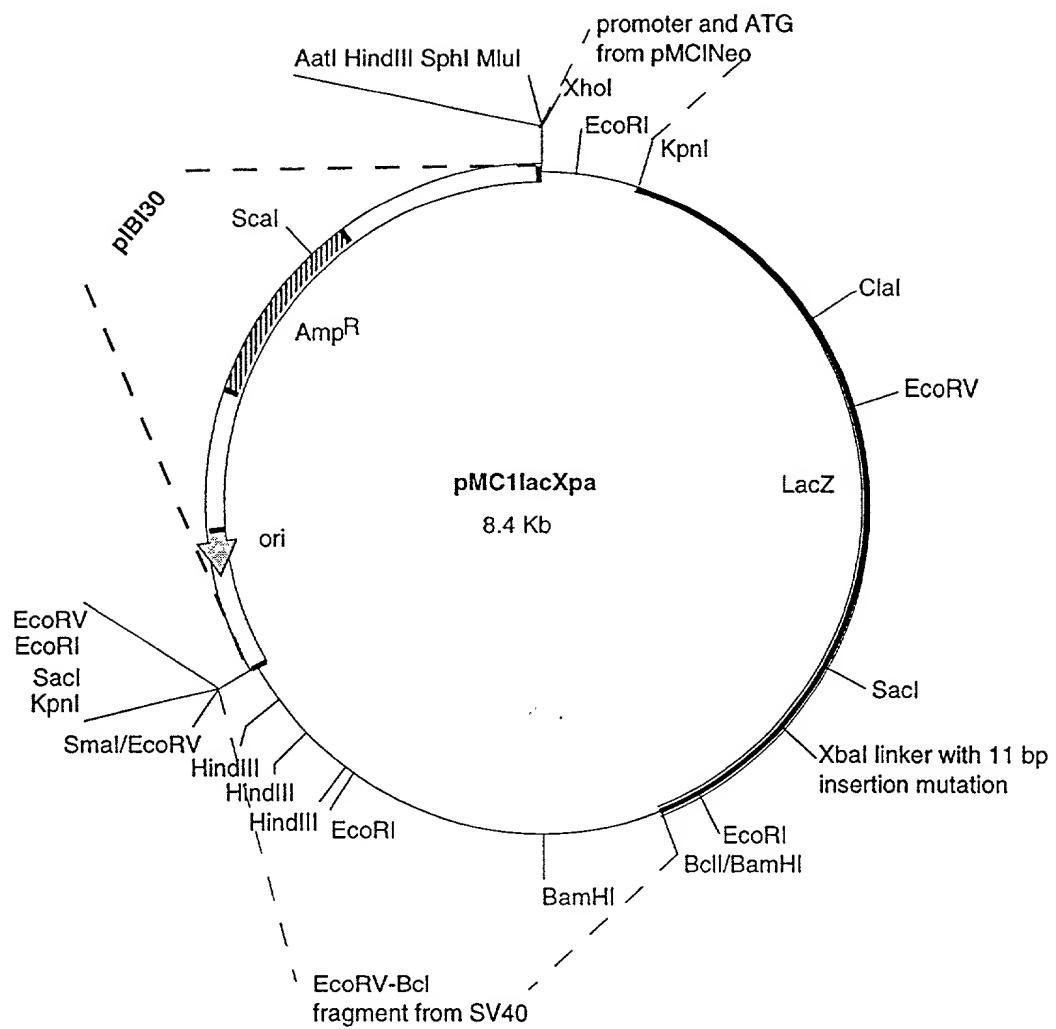
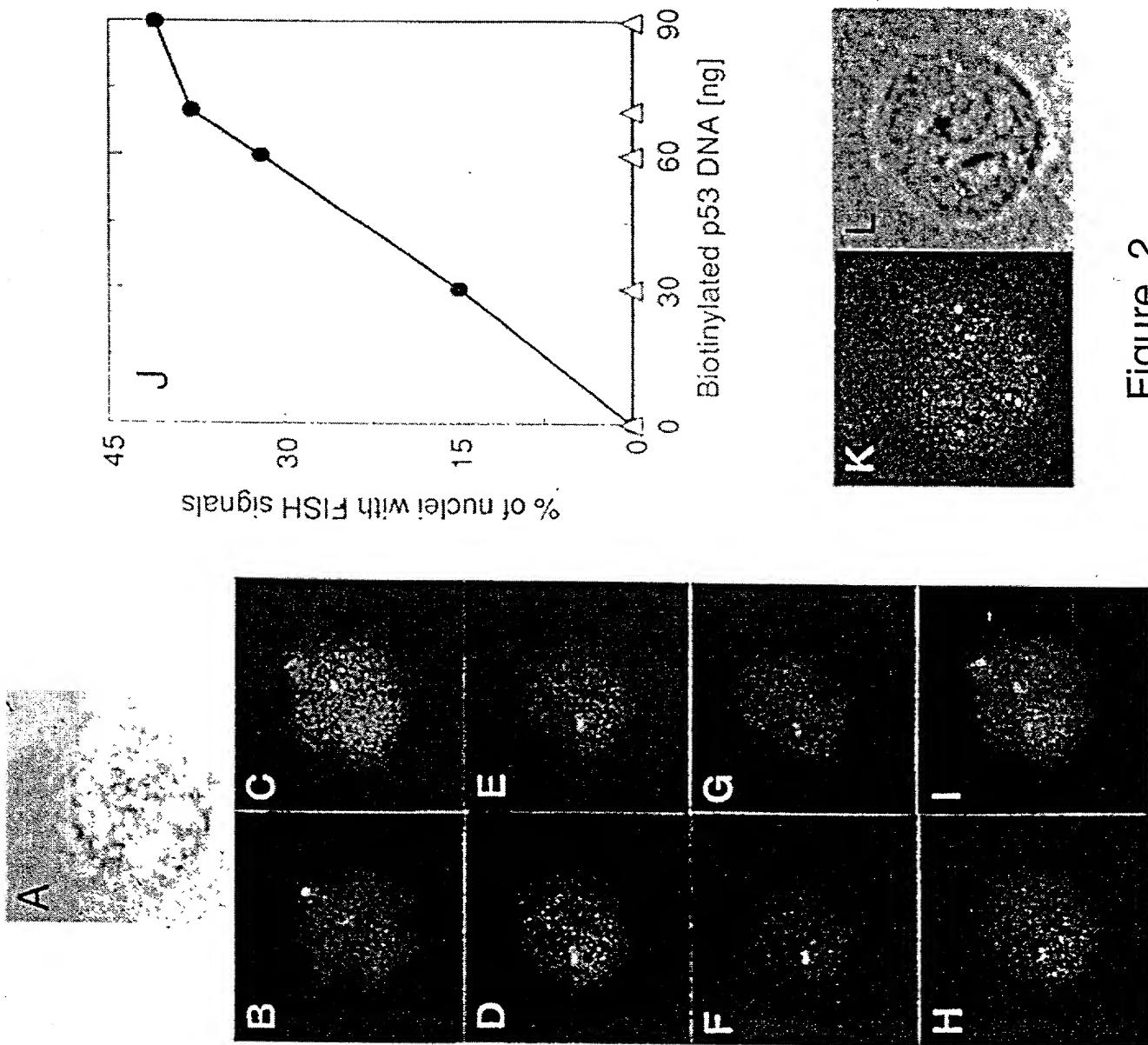


FIGURE 3

Figure 2



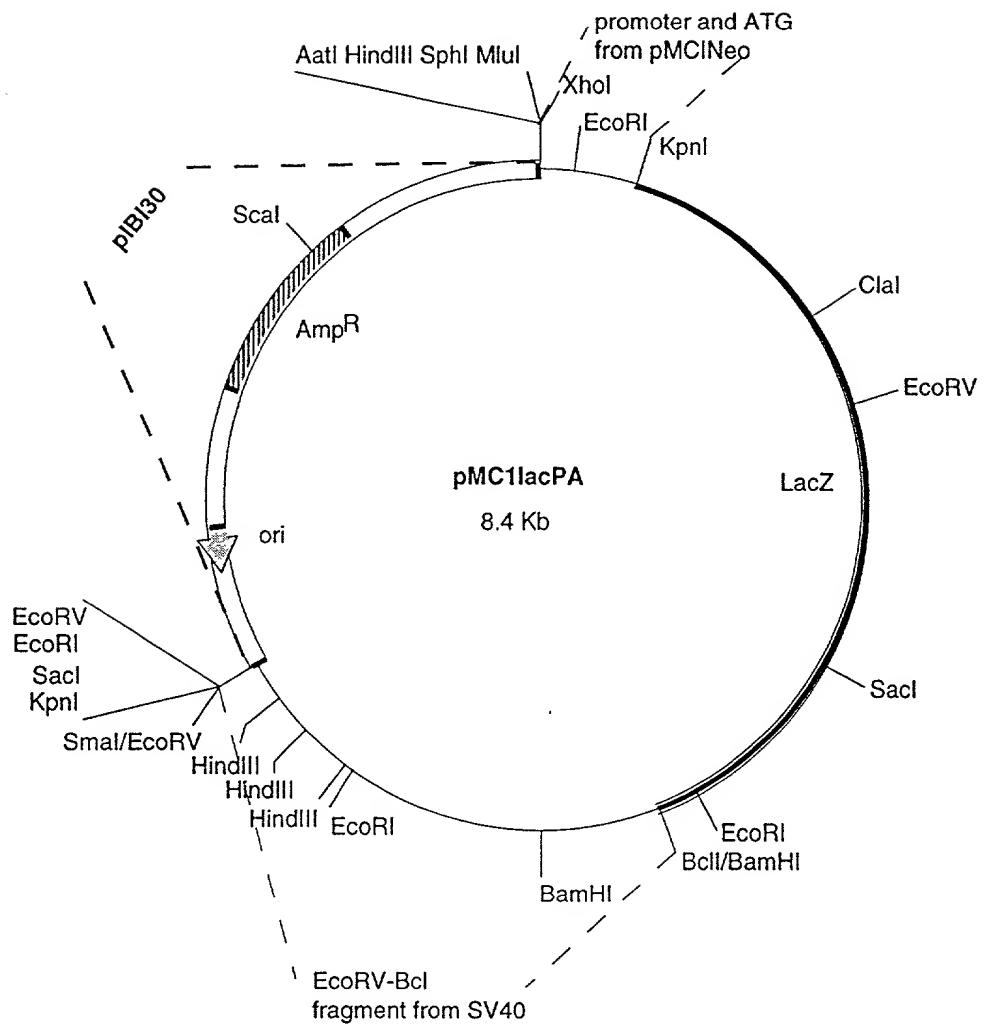
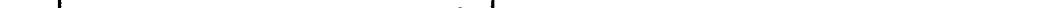


FIGURE 4

Figure 5

3610 3620 3630 3640 3650 3660
ATAAAAAAACAAC TGCTGACGCCGCTGCGCGATCAGTTCACCCGTGCACCGCTGGATAACG

3670 3680 3690 3700 3710 3720
 ACATTGGCGTAAGTGAAGCGACCCGCATTGACCCCTAACGCCTGGGTCGAACGCTGGAAAGG


3730 3740 3750 3760 3770 3780
 CGGCAGGGCATTACCAGGCCAAGCAGCGTTGCAGTGCACGGCAGATACTTGCTG

CTCTAGACGCG Xba Linker with 11bp insertion

3790 3800 3810 3820 3830 3840
ATGCGGTGCTGATTACGACCGCTCACGCGTGGCAGCATCAGGGGAAAACCTTATTTATCA

3850 3860 3870 3880 3890 3900
GCCGGAAACCTACCGGATTGATGGTAGTGGTCAAATGGCGATTACCGTTGATGTTGAAG

PCR β

3910 3920 3930 3940 3950 3960
TGGCGAGCGATACACCGCATCCGGCGCGGATTGGCCTGAAGTGCCAGCTGGCGCAGGTAG

3970 3980 3990 4000 4010 4020
 CAGAGCGGGTAAACTGGCTGGATTAGGGCCGCAAGAAAATATCCCGACCGCCTACTG

TEST FOR ALTERATION OF AN INSERTION MUTATION IN THE *lacZ*
 (β -GALACTOSIDASE) GENE OF EUKARYOTIC EXPRESSION VECTOR

Experimental Sample	Injected Plasmid, 276-mer DNA and RecA Protein	Number of Injected Surviving Cells	Number of Surviving Cells Scoring Blue	Surviving Cells Scoring Blue (%)
1	pSV- β -gal -276-mer - RecA	168	21	12.5
2	pMC1lacpa - 276-mer - RecA	98	9	9.2
3	pMC1lacXpa - 276-mer - RecA	173	0	0
4	pMC1lacXpa + 276-mer - RecA	103	0	0
5	pMC1lacXpa + 276-mer + RecA	168	6	3.6

Figure 6

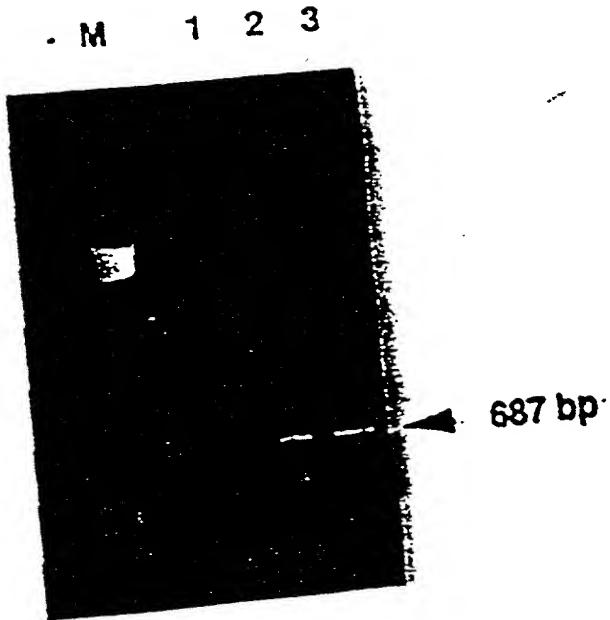


Figure
7A

Control (Σ CF)
 $T\Sigma$ CF Microinjected
 $T\Sigma$ CF P-L

Figure
7B



1 2 3 4 5 6

300 ➤



Figure
8A

1 2 3 4 5

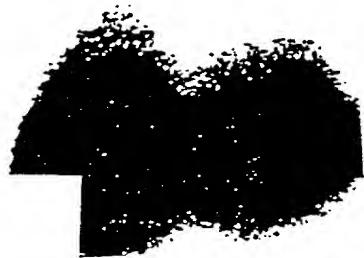


Figure
8B

卷之三

299 



Figure 9

Scheme for recombination assay

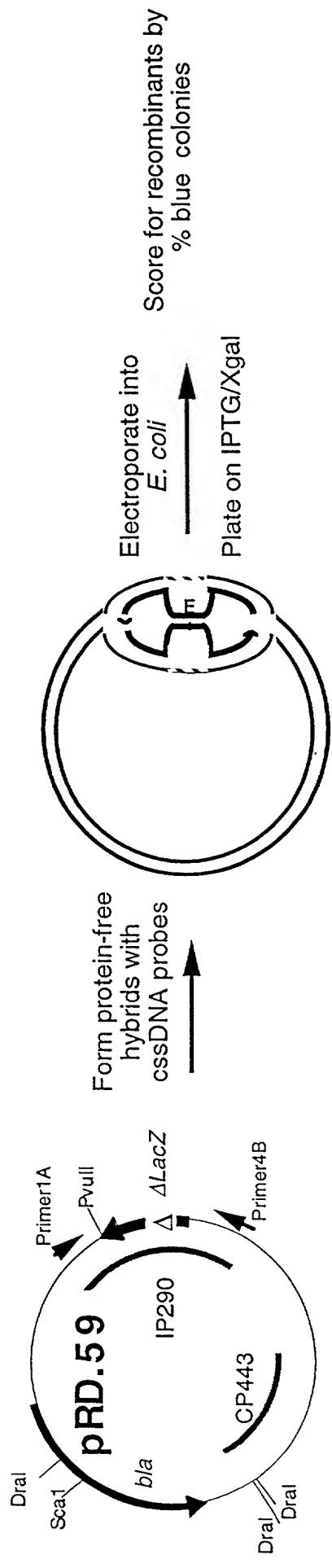


Figure 10

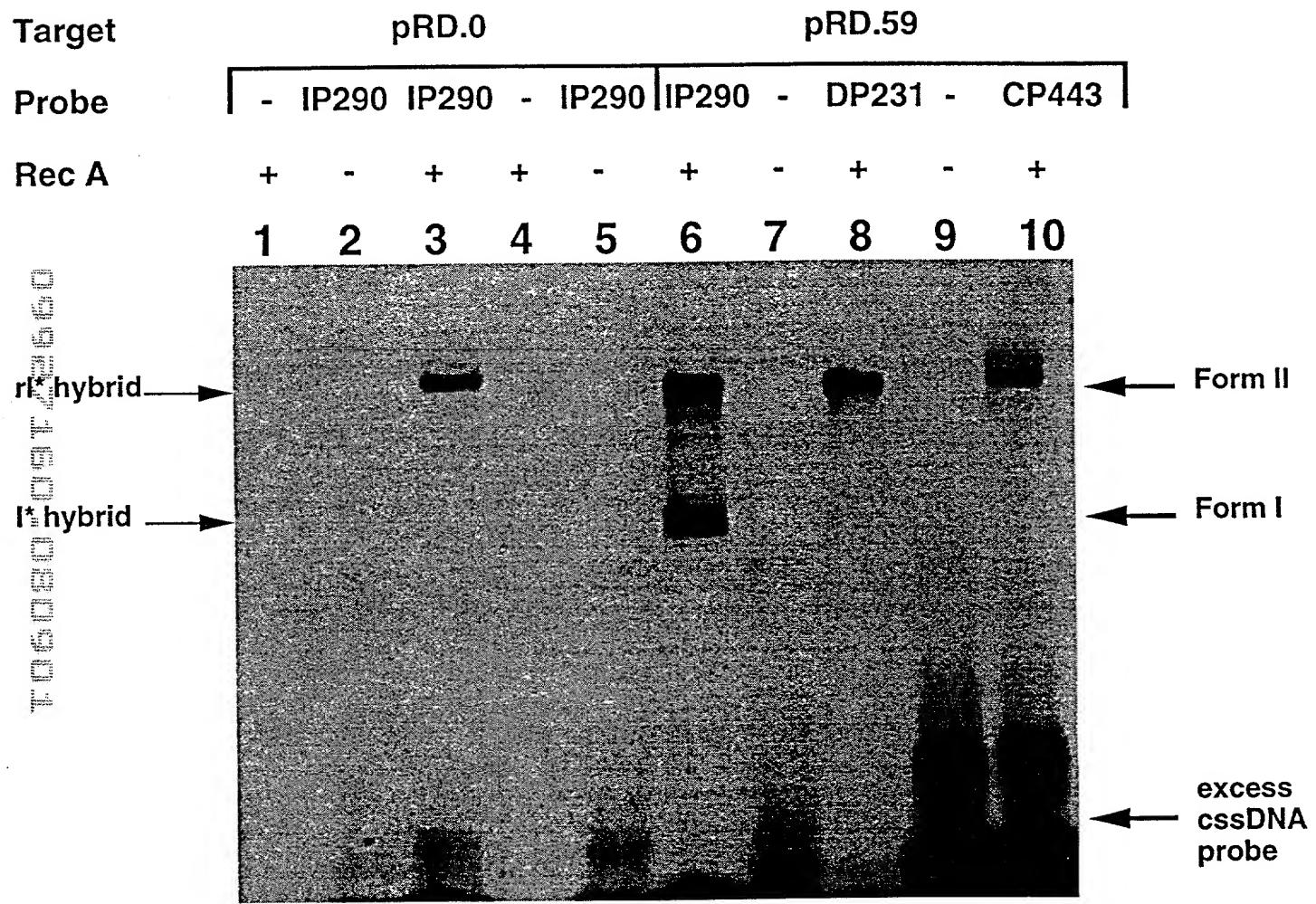


FIGURE 11

cssDNA Probe: Target Hybrids Enhance Homologous Recombination

Target	Probe	RecA coating	Host	%Recombinant / total colonies
pRD.59	-	+	RecA+ RecA-	0 0
	-	+		
pRD.59	IP290	-	RecA+ RecA- RecA+ RecA-	0 0 3 0
	IP290	-		
pRD.59	IP290	+	RecA+ RecA- RecA+ RecA-	0 0 3 0
	IP290	+		
pRD.59	DP290	-	RecA+ RecA- RecA+ RecA-	0 0 0 0
	DP290	-		
pRD.59	DP290	+	RecA+ RecA- RecA+ RecA-	0 0 0 0
	DP290	+		
pRD.59	CP443	-	RecA+ RecA- RecA+ RecA-	0 0 0 0
	CP443	-		
pRD.59	CP443	+	RecA+ RecA- RecA+ RecA-	0 0 0 0
	CP443	+		

Figure 12

Figure 14A

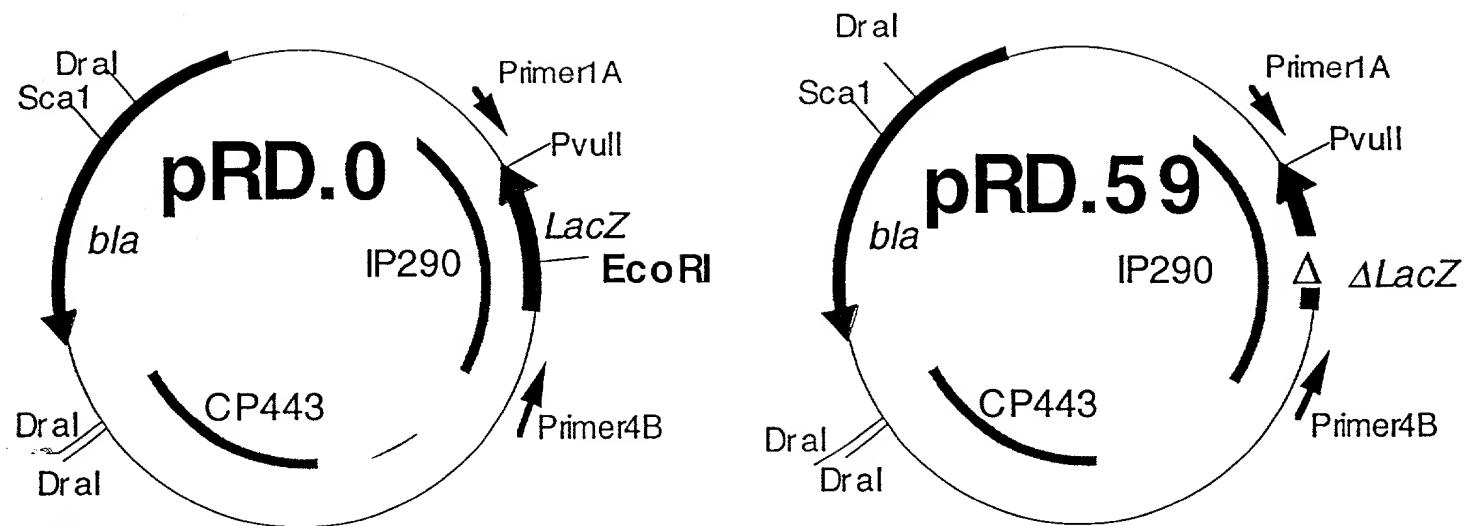
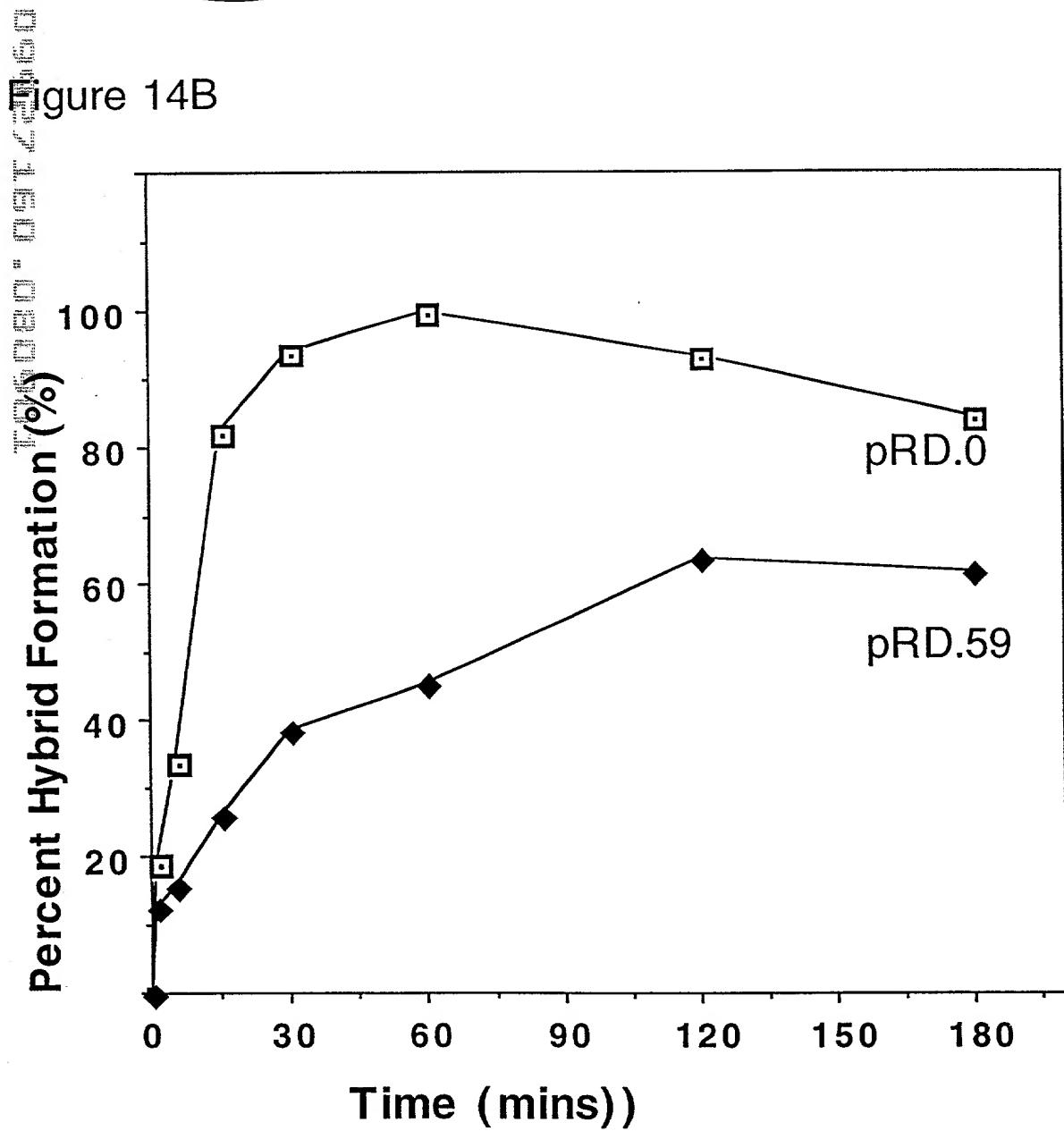


Figure 14B



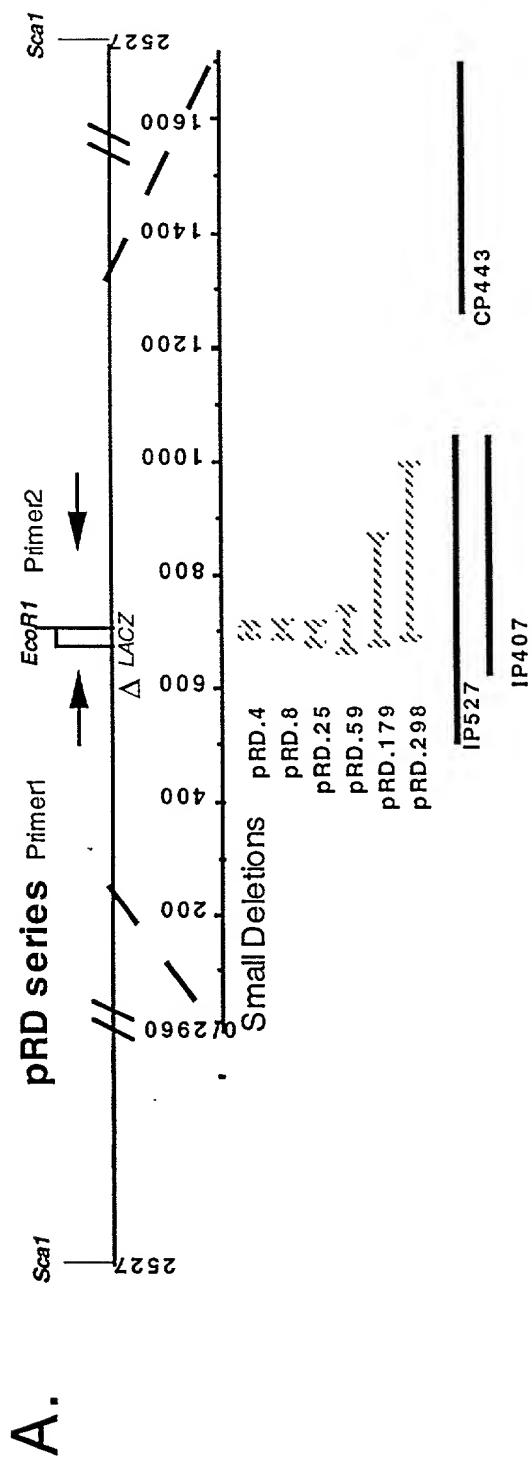


Figure 15A

Figure 15B

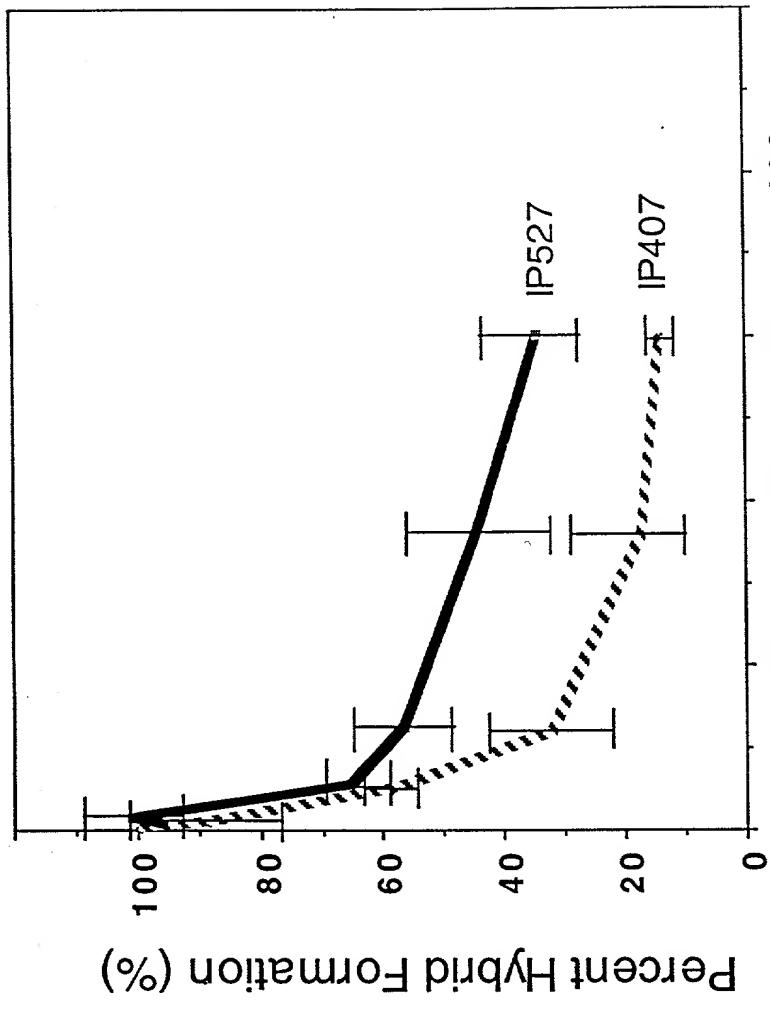


Figure 15C

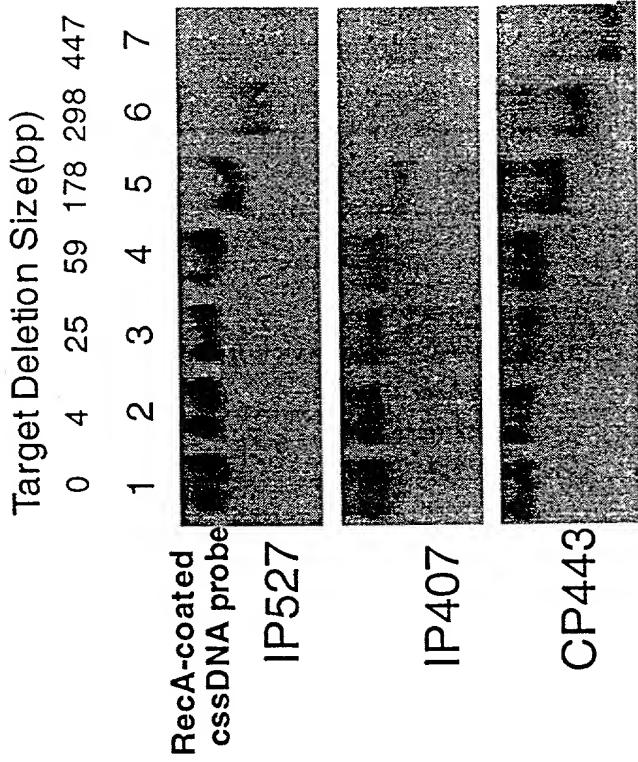
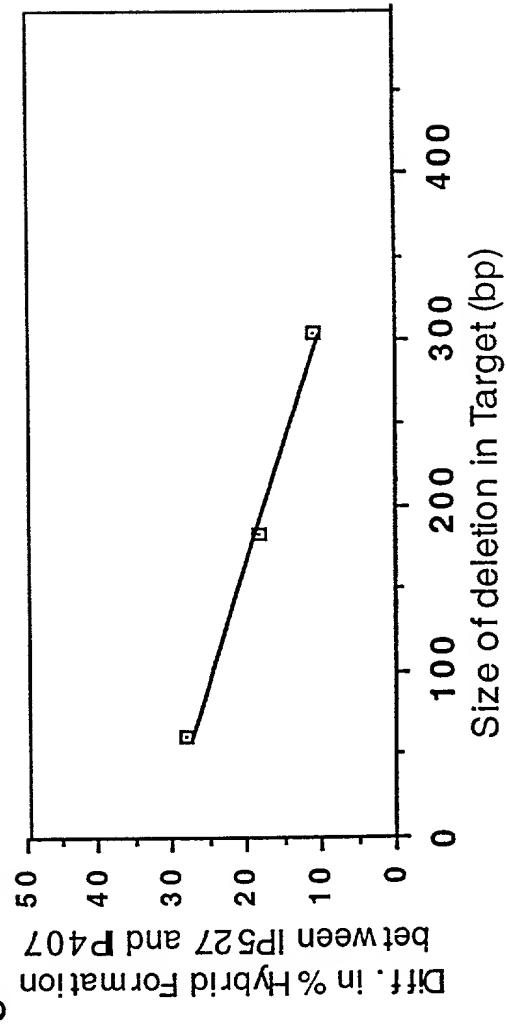


Figure 15D



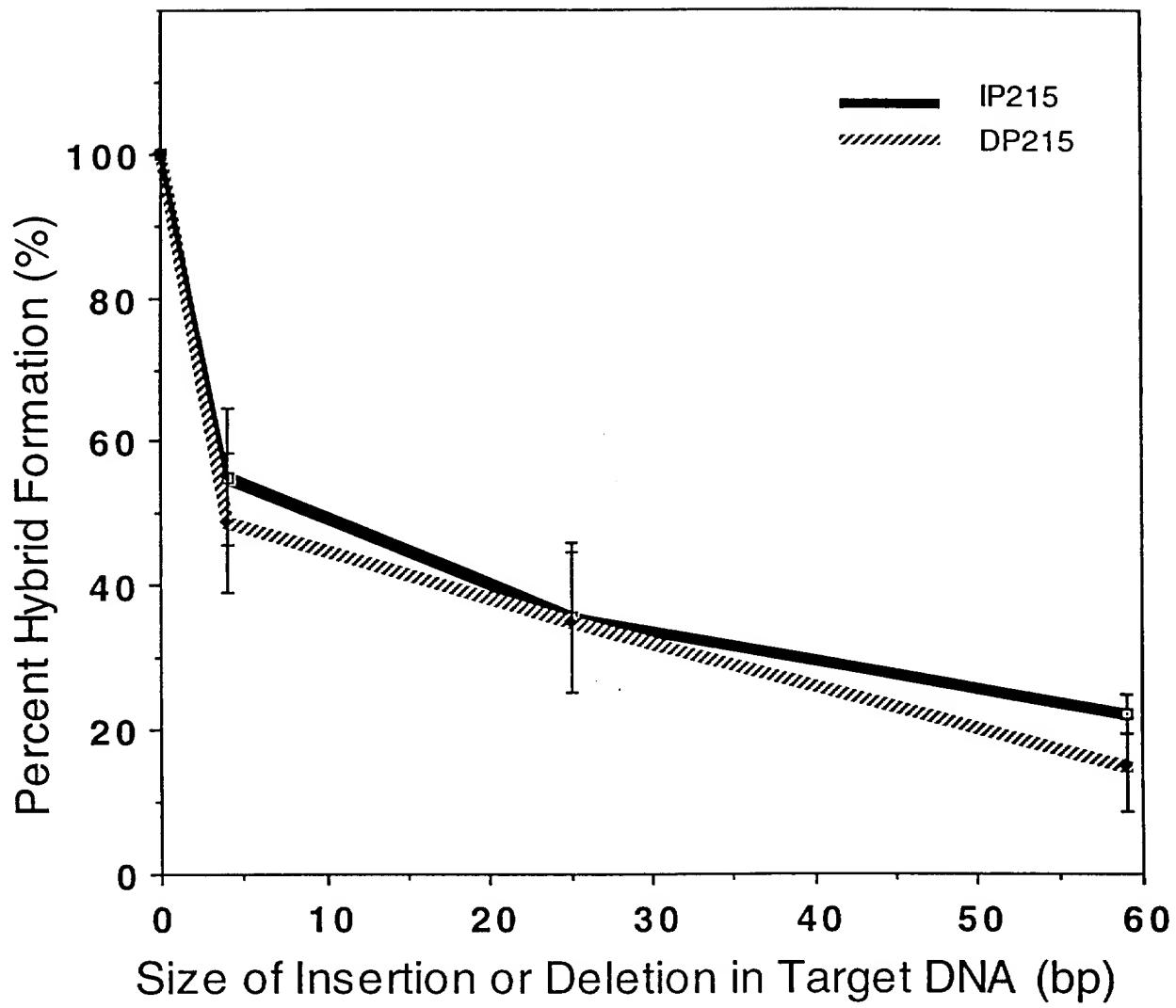


Figure 16

Figure 1A

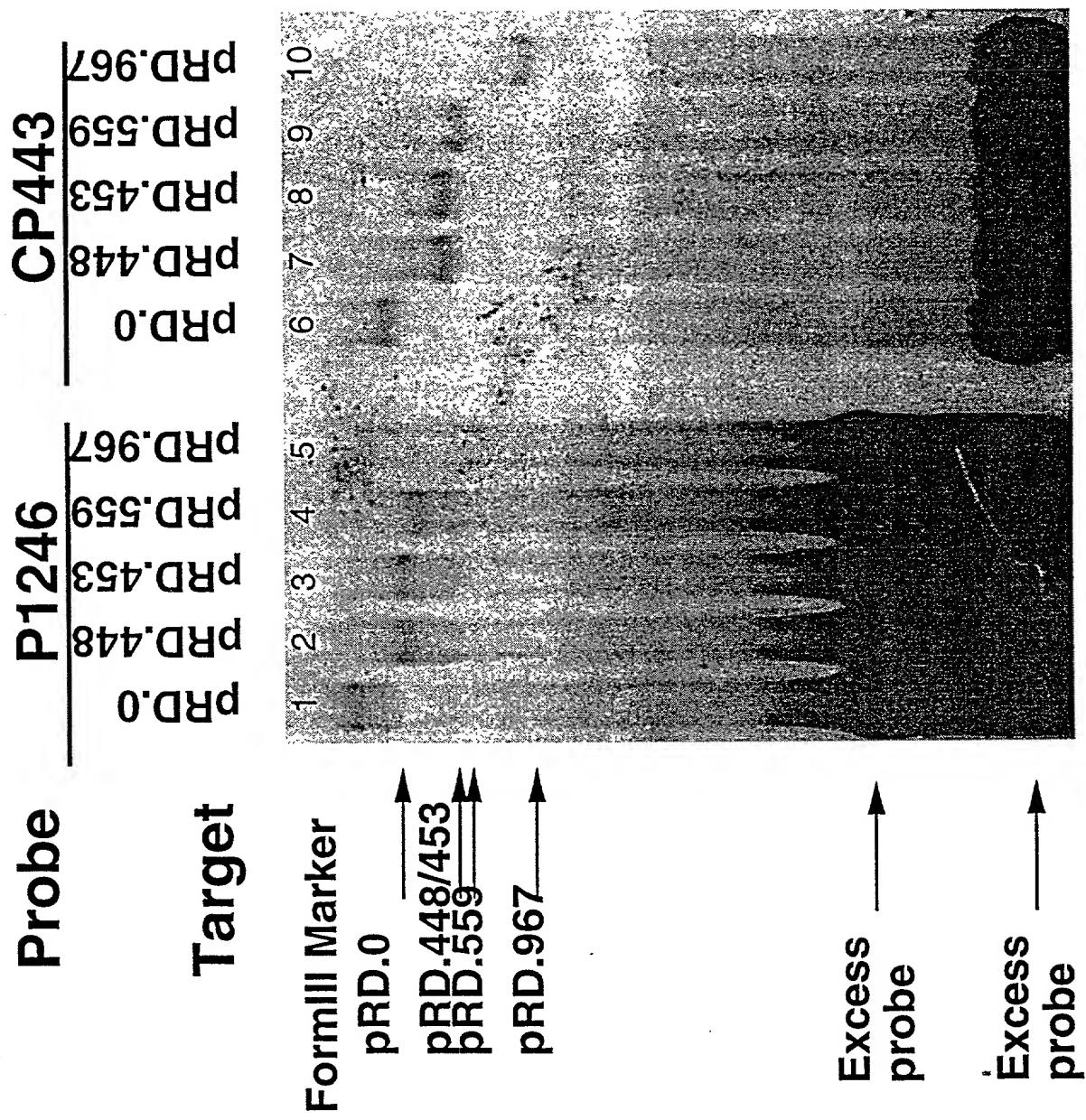


Figure 17B

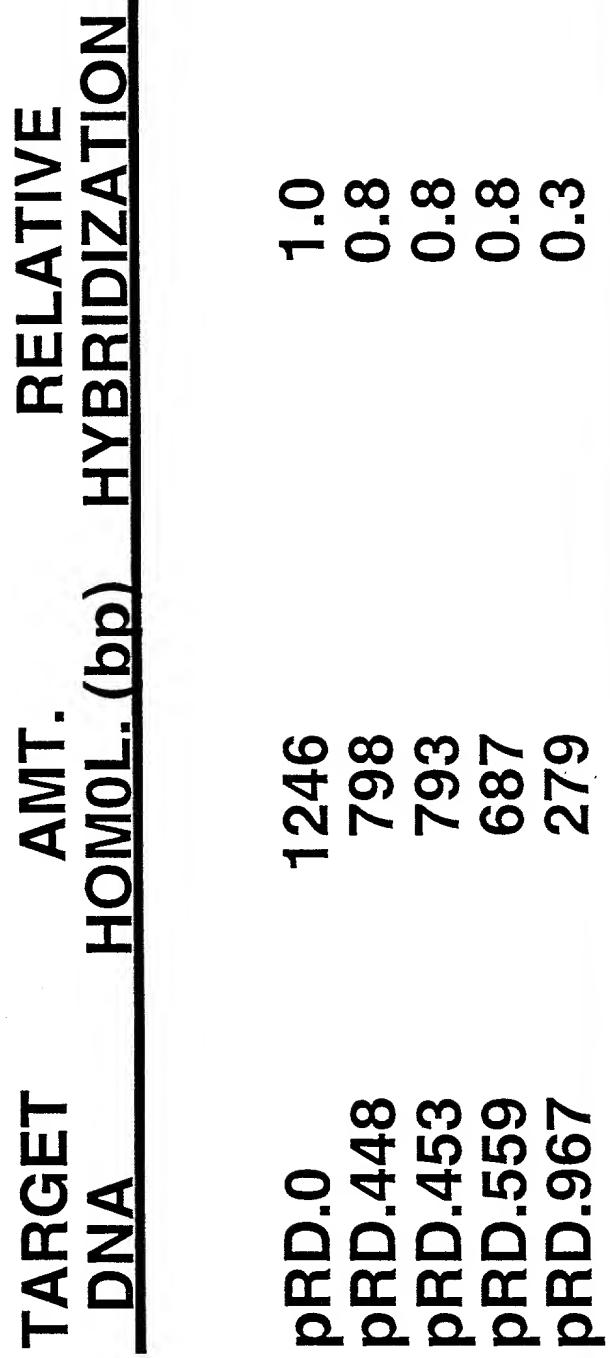


Figure 17C

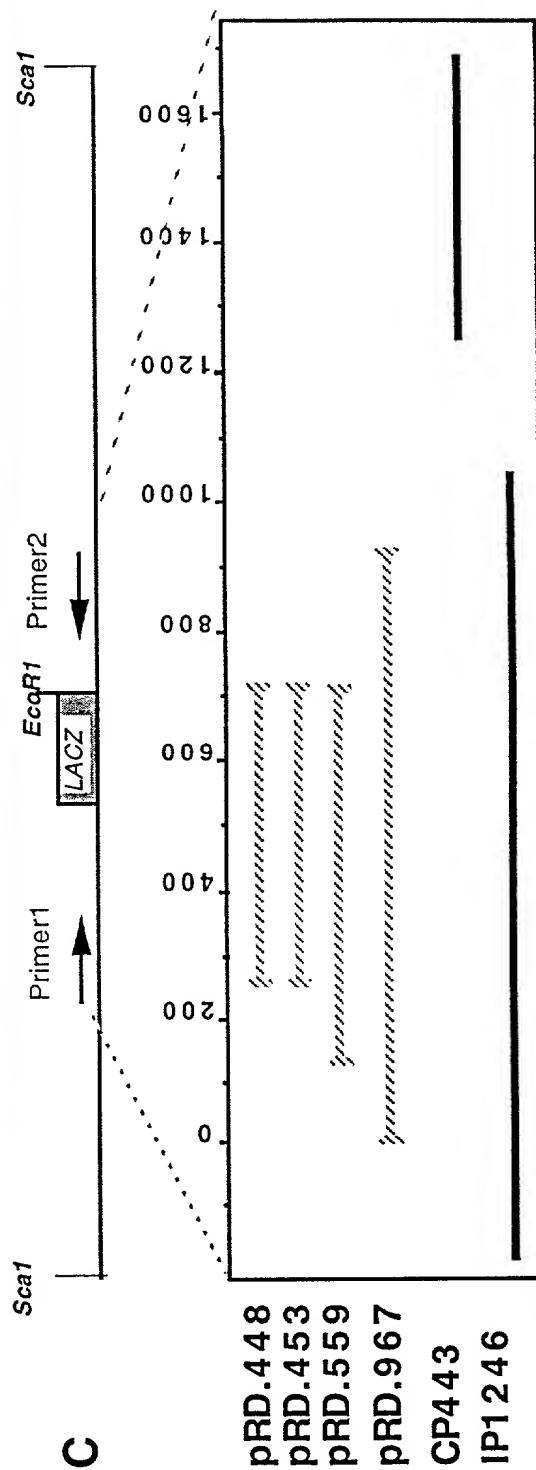


Figure 18

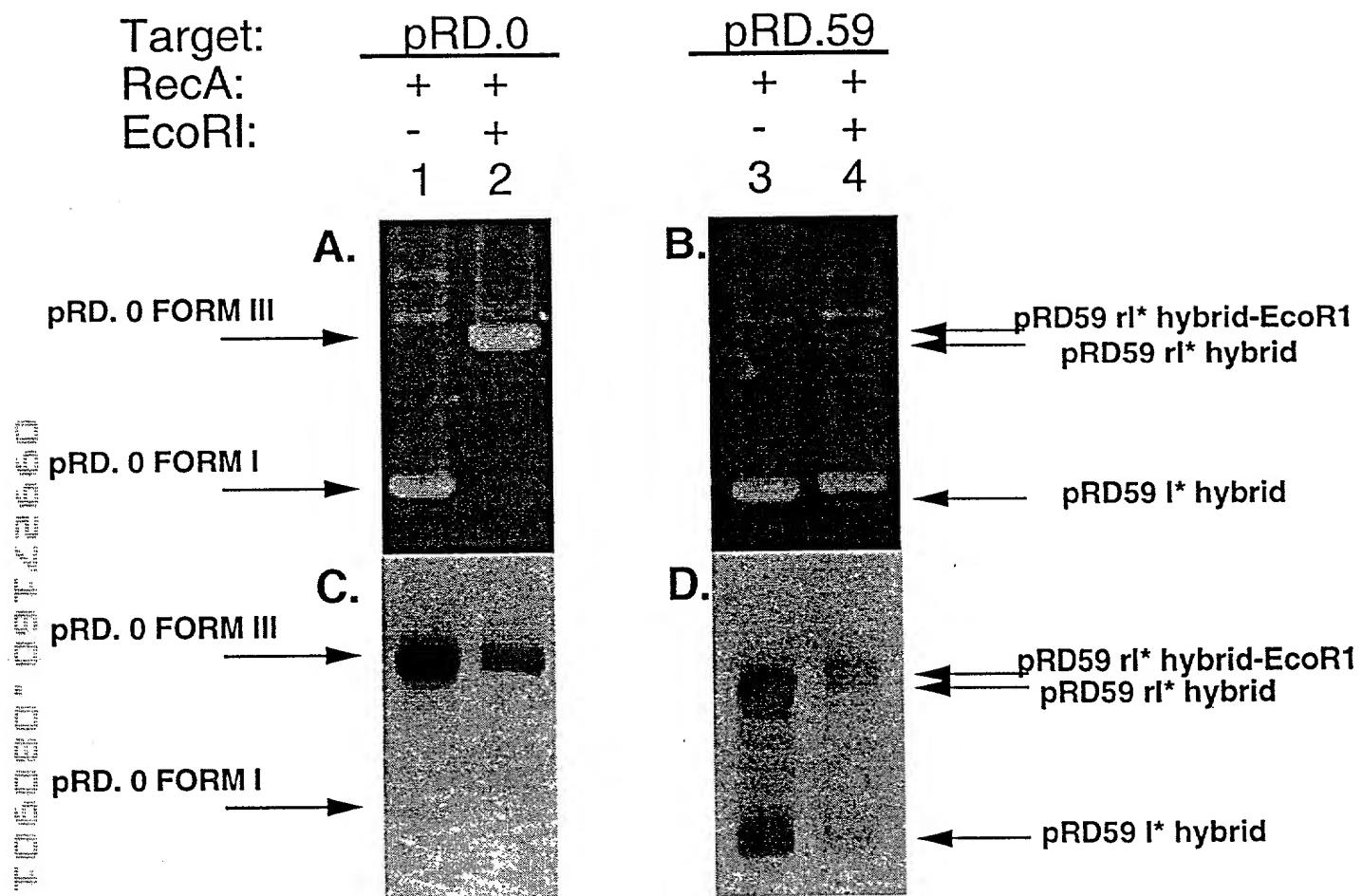
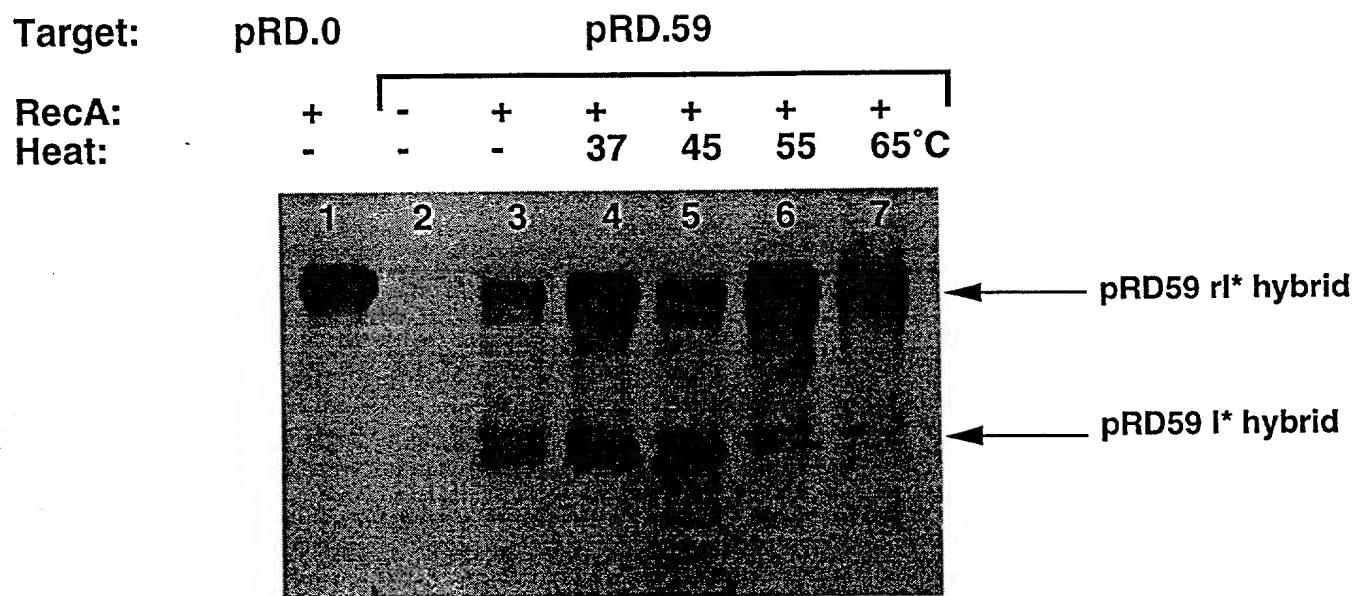


Figure 19



Mouse Ornithine Transcarbamylase Gene

Figure 20A

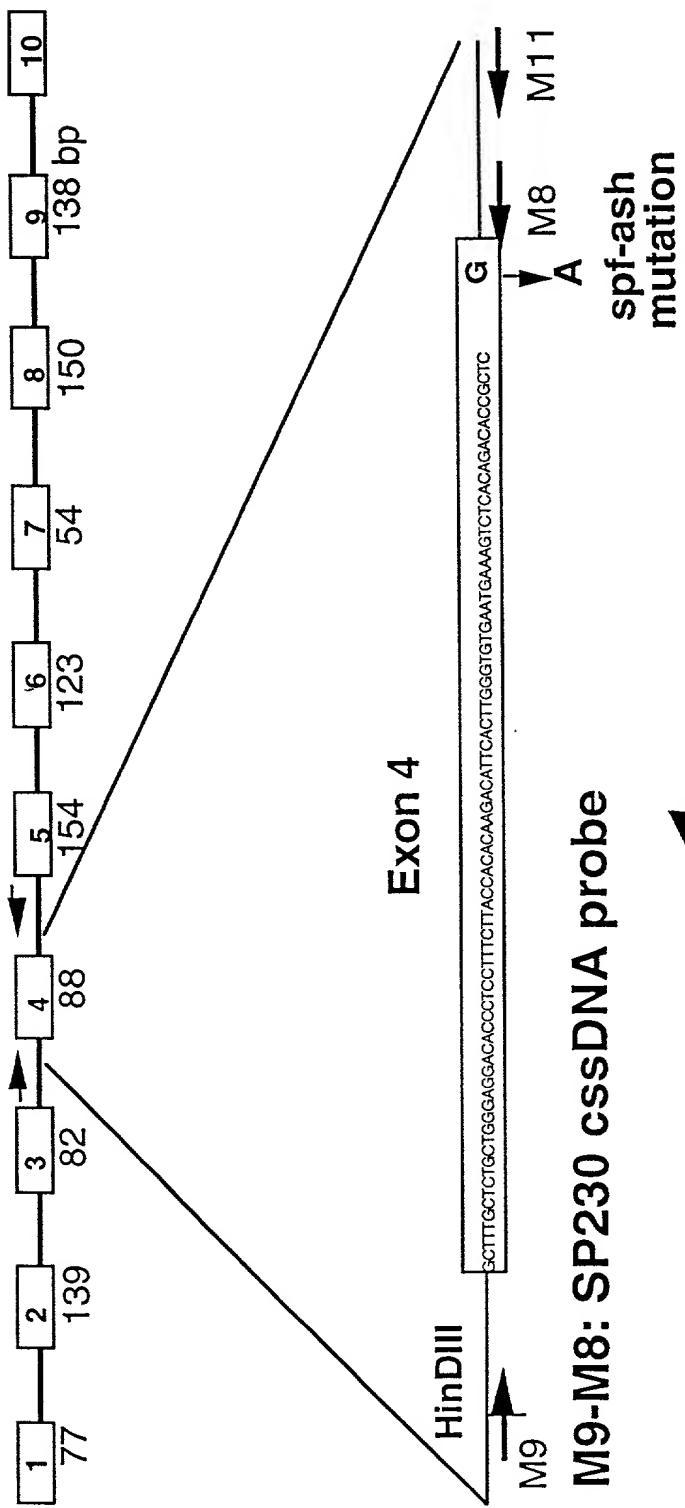
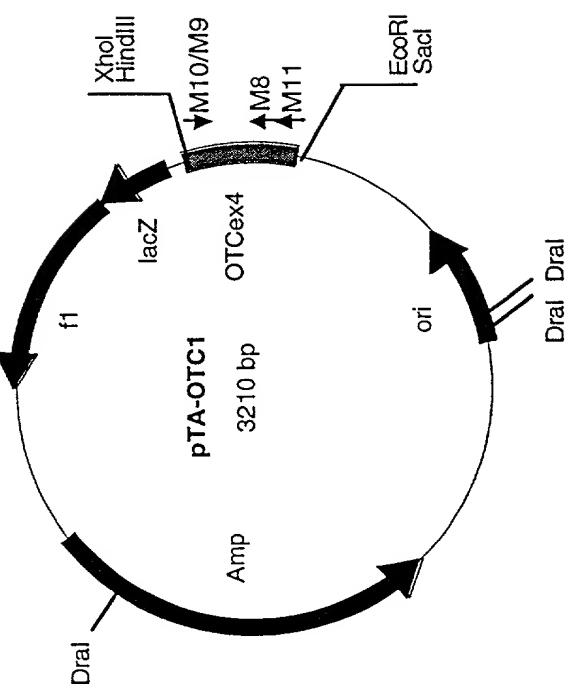


Figure 20B



M9-M8: SP230 cSSDNA probe

Figure 21 OTC exon4 DNA sequence determination

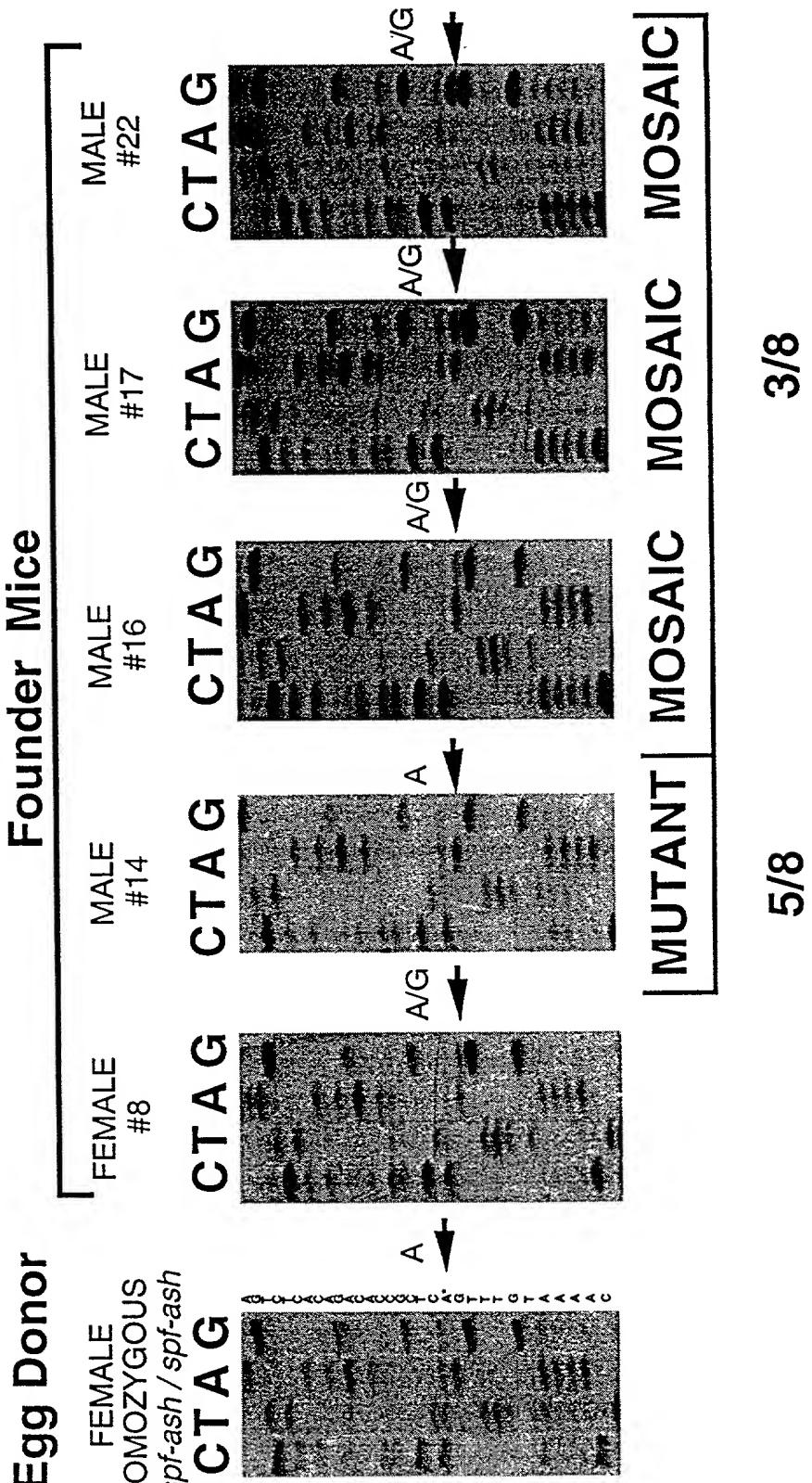


Figure 22

Germline Transmission of EHR Corrected OTC⁺ Allele

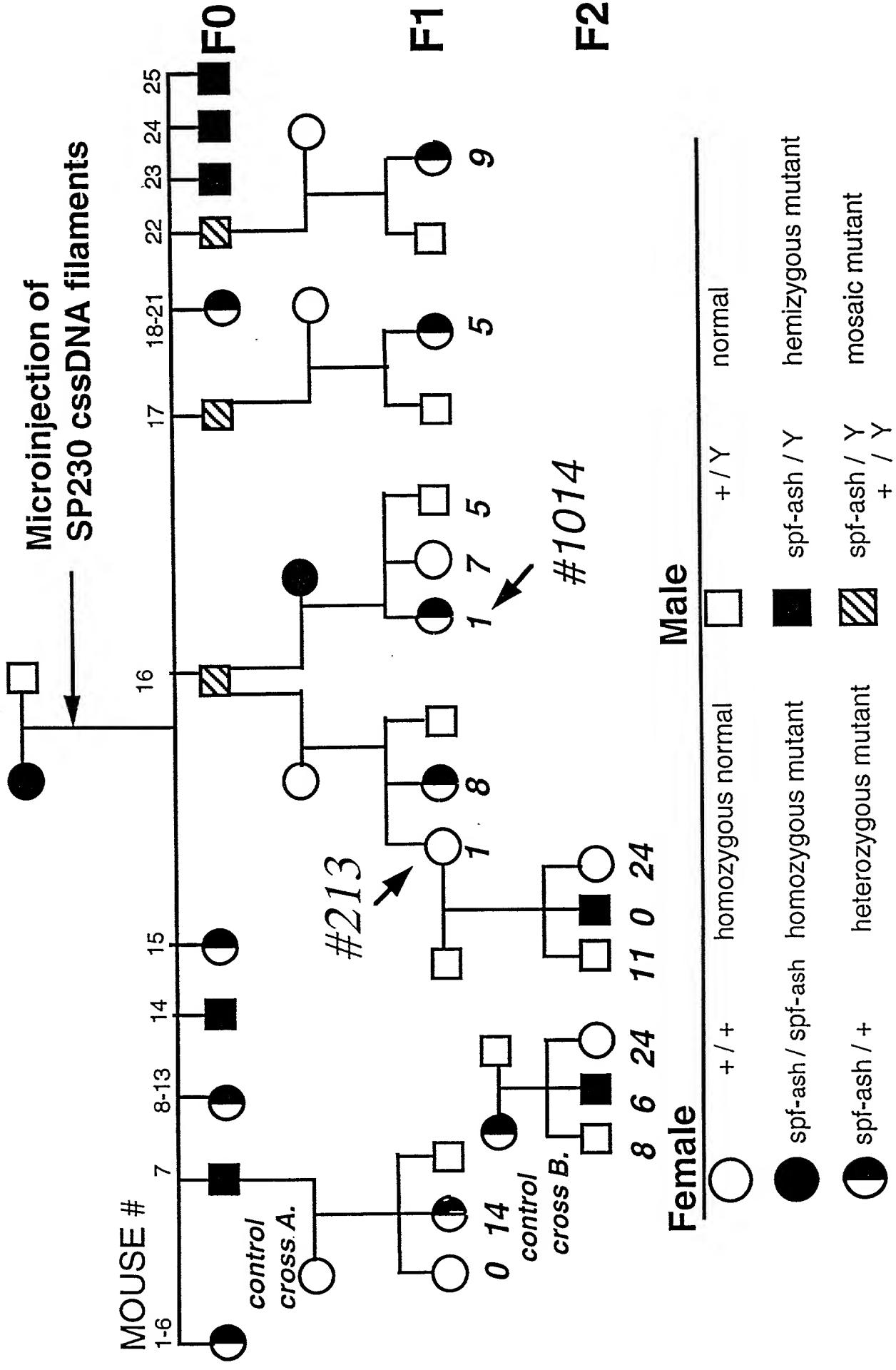


Figure 23 Germine Transmission of Corrected Allele of F0 Male #16

